Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of March 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of March 2007.

Communicable Diseases

In total, there were **318** new infections occurring across 19 communicable diseases** (excluding sexually transmitted infections and HIV) in March 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 135 cases of MRSA with the expected range of 0-122 cases. The expected number of cases and accompanying range is based on the number of cases during February, March and April 2002-2006.

Both MRSA and Clostridium difficile accounted for 68.55% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **420** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in March: 328 cases of chlamydia (Ct), 50 cases of gonorrhoea (GC), 41 GC-Ct co-infections, and 1case of syphilis. More than half (50.8%) of all GC and Ct cases in the province were reported among females of age group 15-24 years. Less than half of all GC and Ct cases (45%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In March, 26 individuals tested positive for hepatitis C virus in Manitoba, and 15 of them were reported from the Winnipeg health region. About 85% of all HCV positive cases were in the 30-59 years age groups. Eight Manitobans, five males and three females, tested positive for HIV in March 2007.

PS: Two more cases of HIV were also observed during the month of March 2007, making a total of 10 cases (6 males and 4 females).

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR March 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	3	2	3	0-7	7	9
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1		
320.1	BAC. MENINGITIS - PNEUM	1		0	0-1	1	1
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		6
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			0	0-2	1	1
008.43	CAMPYLOBACTER	12	14	15	2-28	38	36
558.2	CLOSTRIDIUM DIFFICILE	107	83		***	323	310
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	3		2	0-5	6	6
061.0	DENGUE FEVER	1		0	0-1	2	
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-1		
008.0	E. COLI-VEROTOXIGENIC	1	2	4	0-11	7	3
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-0		
007.1	GIARDIA LAMBLIA	9	7	9	3-15	28	22
041.5	H.I.B.-NON MTGS			0	0-2		
041.59	HAEM. INFLUENZAE (non-B)		1		***		3
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-0		
070.1	HEPATITIS A	1		2	0-4	4	2
070.3	HEPATITIS B	1		1	0-2	2	1
070.51	HEPATITIS C	20	26	38	11-65	68	81
054.8	HERPES-W-UNSPEC COMPL	1		0	0-1	4	
487.1A	INFLUENZA A		16		***		63
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1		
027.0	LISTERIA MONOCYTOGENES			0	0-1		
088.81	LYME DISEASE			0	0-0		
084	MALARIA		1	1	0-3	2	1
055.9	MEASLES			0	0-1		
036.0	MENINGOCOCCAL CSF			0	0-1	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1		
B95.6	MRSA	111	135	57	0-122	367	448
072.9	MUMPS			0	0-1		
036.89	N.MENINGITIDIS OTHER		1	0	0-1	2	2
728.86	NECROTIZING FASCIITIS			1	0-3	4	
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS		1	3	0-9	2	3
038.2	PNEUM. SEPTICEMIA	12	4	8	0-16	28	22
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-0		1
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-4		1
003.0	SALMONELLA	13	14	13	4-22	45	57
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	2	0-4	4	2
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-1		
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1		
481	STREPTOCOCCUS PNEUMONIAE			0	0-2		1
127.2	STRONGYLOIDES			0	0-0		3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-4		
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	4	1	2	0-5	10	4
011	TUBERCULOSIS - RESP.	10	3	8	4-12	24	17
010	TUBERCULOSIS-PRIM.	9		2	0-7	9	1
021.9	TULAREMIA			0	0-0		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	2	4		***	11	15
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK			0	0-1		
047.1	VIRAL MENINGITIS-ECHO	1		1	0-3	2	
047.8	VIRAL MENINGITIS-ENTERO	1			***	1	
054.72	VIRAL MENINGITIS-H SIMP			0	0-0		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND				***		
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2	2	1	0-3	5	5
		326	**318**			**1008**	**1128**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR March 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS												1	1															2
008.43	CAMPYLOBACTER	1		1	1						1			1			1	1	1	1	1	1	1	1		1			14
558.2	CLOSTRIDIUM DIFFICILE	1		1								3	1		1	4		3	1	2	4	4	5	5	5	29	14		83
008.0	E.COLI 0157																1						1						2
007.1	GIARDIA LAMBLIA			1									2		1				2							1			7
041.59	HAEM. INFLUENZAE (non-B)	1																											1
070.51	HEPATITIS C												1	1	1	4	4	4	3	4	3							1	26
487.1A	INFLUENZA A	2	1	3	2											1	1			1			1			3	1		16
084	MALARIA													1															1
B95.6	MRSA	1		5	1	9		3	1	6	1	10	3	3	4	5	9	7	7	3	10	5	8	9	6	9	10		135
036.89	NEISSERIA MGTS(0ther)			1																									1
033.0	PERTUSSIS						1																						1
003.0	SALMONELLA								1		1	1	1	1				4				1		1		2	1		14
004	SHIGELLOSIS																		1										1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1											1		1	1												4
013	TUBERCULOSIS - NON-RESP.									1																			1
011	TUBERCULOSIS - RESP.															1	1		1										3
B96.8	VANCOMYCIN RES. ENTER.																				1	1				1	1		4
008.44	YERSINIA ENTEROCOLITICA												1									1							2
		6	2	12	4	9	1	3	2	7	3	14	10	9	7	16	18	19	16	11	19	13	16	16	11	46	27		318

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR March 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	2																					2
008.43	CAMPYLOBACTER	6		1			2		1		1		3										14
558.2	CLOSTRIDIUM DIFFICILE	58	3					1	6		2		5		5			2	1				83
008.0	E.COLI 0157	1							1														2
007.1	GIARDIA LAMBLIA	4	1				1						1										7
041.59	HAEM. INFLUENZAE (non-B)																1						1
070.51	HEPATITIS C	15	3		1		1	2			3		1										26
487.1A	INFLUENZA A	9	1								2							2	2				16
084	MALARIA	1																					1
B95.6	MRSA	47	1	1			2		12		4	1	1		3	3	5	44	11				135
036.89	NEISSERIA MGTS(Other)																	1					1
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	10	1						1		2												14
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	1																2	1				4
013	TUBERCULOSIS - NON-RESP.																	1					1
011	TUBERCULOSIS - RESP.	2																1					3
B96.8	VANCOMYCIN RES. ENTER.	2													2								4
008.44	YERSINIA ENTEROCOLITICA								1		1												2
		160	**10**	**2**	**1**		**6**	**3**	**22**		**15**	**1**	**11**		**10**	**3**	**6**	**53**	**15**				**318**
Missing Investigation Forms (Jan.1 to end of February)		52	1		1		5		11		5		9				1	3	4				92

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - March 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	385	369	1112	1140
All Gonorrhea Infections (including PRNG)	129	91	420	295
All Syphilis Infections	5	1	16	8
Gonorrhea & Chlamydia Co-infections	50	41	145	109
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	6	8	24	23

Total Number of STD Cases by Age and Gender - March 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							6		85	28	87	45	18	19	19	15	3	2	1									328
Gonorrhea Only Cases							1		15	5	5	6	1	3	4	4		4		2								50
Syphilis Only Cases																		1										1
GC and CT Cases							2		14	4	7	8	2	2		1		1										41
							9		114	37	99	59	21	24	23	20	3	8	1	2								420
HIV															1	2		1			2			2				8

Regional STD Distribution - March 2007

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	165	24	9	11		10	10	18		20		9	2	10	1	12	47	20			1	369
All Gonorrhea Infections	41	1	7	5						3		1			1	11	15	6				91
All Syphilis Infections												1										1
GC and CT Infections	17	1		1						2		1			1	5	10	3				41

Missing Investigation Forms (Jan.1 to end of February)	56	28	3	5		2		6		4		9	1	3		6	31	5		1	1	161

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction